## PATENT COOPERATION TREATY

D. 1019 825

NOTIFICATION CONCERNING SUBMISSION OR TRANSMITTAL OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

#### From the INTERNATIONAL BUREAU

NELSON, Gordon, E. 57 Central St. P.O. Box 782 Rowley, MA 01969 **United States of America** 

Date of mailing (day/month/year) 23 January 2003 (23.01.03)	
Applicant's or agent's file reference fraunh01.014	IMPORTANT NOTIFICATION
International application No.	International filing date (day/month/year)
PCT/US00/13117	12 May 2000 (12.05.00)  Priority date (day/month/year)
International publication date (day/month/year) 16 November 2000 (16.11.00)	12 May 1999 (12.05.99)

FRAUNHOFER CRCG, INC. et al

- The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
- An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

Priority date	Priority application No.	Country or regional Office or PCT receiving Office	Date of receipt of priority document
12 May 1999 (12.05.99)	60/133,840	US	21 Octo 2002 (21.10.02)
12 May 1999 (12.05.99)	60/133,848	US	29 June 2000 (29.06.00)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Céline Faust (Fax 338-8995)

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Facsimile No. (41-22) 338-9999

# TENT COOPERATION TREATY

#### From the INTERNATIONAL BUREAU

#### **PCT**

#### **NOTIFICATION OF ELECTION**

(PCT Rule 61.2)

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year)

28 February 2001 (28.02.01)

International application No.
PCT/US00/13117

International filing date (day/month/year)
12 May 2000 (12.05.00)

PETATS-ONTS D'ANTERICOL
in its capacity as elected Office

Applicant's or agent's file reference
fraunh01.014

Priority date (day/month/year)
12 May 1999 (12.05.99)

LUO, Chenghui et al

**Applicant** 

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	09 December 2000 (09.12.00)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

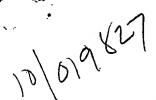
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

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Telephone No.: (41-22) 338.83.38

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# **PCT**

REC'D 2 2 JAN 2002

INTERNATIONAL PRELIMINARY EXAMINATION REPORTINE

20

(PCT Article 36 and Rule 70)

2

FOR FURTHER ACTION Preliminary Examination Res		on of Transmittal of International Examination Report (Form PCT/IPEA/416)	
FRAUNH01.014 International application No.	International filing date (day/m	onth/year)	Priority date (day/month/year)
PCT/US00/13117	12 May 2000 (12.05.2000)		12 May 1999 (12.05.1999)
International Patent Classification (IPC)			
IPC(7): G06K 9/00 and US C1.: 382/100	o		
Applicant			
FRAUNHOFER CRCG, INC.			
This international preliminary examination report has been prepared by this International Preliminary     Examining Authority and is transmitted to the applicant according to Article 36.			
2. This REPORT consists of	a total of sheets, including	g this cover she	et.
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).  These annexes consist of a total of sheets.			
3. This report contains indicate	ations relating to the following	g items:	
I Basis of the rep	ort		
II Priority			
III Non-establishm	ent of report with regard to n	ovelty, inventiv	e step and industrial applicability
IV  Lack of unity o			
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial			
applicability; citations and explanations supporting such statement  VI Certain documents cited			
VII Certain defects in the international application			
VIII Certain observations on the international application			
Date of submission of the demand	Da	te of completion	of this report
09 December 2000 (09.12.2000)	17	December 2001 (	17 12.2001)
Name and mailing address of the IPEA/ Commissioner of Patents and Tradema		thorized officer	1/201
Box PCT Washington, D.C. 20231		nelia Au	WUND, VUWU
Facsimile No. (703)305-3230		ephone No. (703	3) 305-3900

Form PCT/IPEA/409 (cover sheet)(July 1998)



### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

		_77
International	application	No

PCT/US00/13117

I.	Basi	s of the report
1.	With	regard to the elements of the international application:*
	$\boxtimes$	the international application as originally filed.
	$\boxtimes$	the description:
		pages 1-28 as originally filed
		pages NONE , filed with the demand
	_	pages NONE, filed with the letter of
	$\bowtie$	the claims:
		pages 29-32 , as originally filed
		pages NONE , as amended (together with any statement) under Article 19
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
	$\bowtie$	the drawings:
		pages 1-11 , as originally filed
		pages NONE , filed with the demand pages NONE , filed with the letter of
		<del></del>
	ш	the sequence listing part of the description:
		pages NONE , as originally filed pages NONE , filed with the demand
		pages NONE , filed with the letter of
2	<b>11/:+1</b>	regard to the language, all the elements marked above were available or furnished to this Authority in the
۷.		lage in which the international application was filed, unless otherwise indicated under this item.
		e elements were available or furnished to this Authority in the following language which is:
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
		the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3.		regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
	$\square$	furnished subsequently to this Authority in written form.
		furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing
		has been furnished.
4.		The amendments have resulted in the cancellation of:
		the description, pages NONE
		the claims, Nos. NONE
		the drawings, sheets/fig NONE
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
thi	repo	cement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in rt as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). eplacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

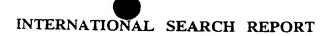
Form PCT/IPEA/409 (Box I) (July 1998)



International application No. PCT/US00/13117

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1. STATEMENT			
Novelty (N)	Claims	1-28	YES
• • •		NONE	_NO
Inventive Step (IS)	Claims		_YES
	Claims	NONE	_NO
Industrial Applicability (IA)	Claims	1-28	YES
industrial Applicationity (1A)		NONE	NO
	Ciunis		
and inventive features as claimed for the reasons asserted	ed in Applic	use the prior art does not teach or fairly suggest Applicant cant's arguments and in the prior written opinion.	
			-

Form PCT/IPEA/409 (Box V) (July 1998)



International application No. PCT/US00/13117

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) :G 06 K 9/00				
US CL: 382/100 According to International Patent Classification (IPC) or to both national classification and IPC				
	LDS SEARCHED	n national classification and IPC		
Minimum d	documentation searched (classification system follow	ved by classification symbols)		
U.S. :	382/100; 380/54	,,		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
	data base consulted during the international search ( a-line Search terms: watermark, executable code	name of data base and, where practicable	, search terms used)	
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
X  Y	US 5,745,569 A (MOSKOWITZ et a 40-55, col. 6, lines 11-67	l) 28 April 1998, col. 5, lines	1, 17, 20, 21  2-7	
A			8-16, 18, 19, 23- 27	
Y	US 5,613,004 A (COOPERMAN et al 10-15, col. 8, lines 1-19	) 18 March 1997, col. 4, lines	2-7	
Further documents are listed in the continuation of Box C. See patent family annex.				
"A" doc	cital categories of cited documents: cument defining the general state of the art which is not considered be of particular relevance	"T" later document published after the inter date and not in conflict with the applie the principle or theory underlying the	cation but cited to understand	
'L' doc	tier document published on or after the international filing date nument which may throw doubts on priority claim(s) or which is do to establish the publication date of another citation or other cial reason (as specified)	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	ed to involve an inventive step	
O" doc	nument referring to an oral disclosure, use, exhibition or other	"Y" document of particular relevance; the considered to involve an inventive combined with one or more other such being obvious to a person skilled in the	step when the document is documents, such combination	
the priority date claimed document member of the same patent family				
	actual completion of the international search MBER 2000	Date of mailing of the international sear 0 4 OCT 2000	ch report	
Commission Box PCT	nailing address of the ISA/US her of Patents and Trademarks D.C. 20231 D. (703) 305-3230	Authorized officer  Amelia Au  Telephone No. (703) 308-6604	zogar	

Form PCT/ISA/210 (second sheet) (July 1998)\*